



PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

Operating Permit Number: OP

Expiration Date:

Installation ID: 069-0034

Project Number: 2004-09-071

Installation Name and Address

Malden Municipal Power & Light
405 South Beckwith
Malden, MO 63863
Dunklin County

Parent Company's Name and Address

City of Malden
111 East Laclede
Malden, MO 63863

Installation Description:

The Malden Municipal Power & Light is an installation that produces electricity for the surrounding community. The installation is located in Dunklin County in the southeast corner of the state. The installation generates electricity through 5 dual fired (natural gas and diesel) generators and 3 diesel generators. There are three 12,000 gallon capacity petroleum storage tanks and one 20,000 gallon capacity petroleum storage tank that provide distillate fuel #2 to the diesel generators.

Effective Date

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

The Malden Municipal Power & Light is an installation that produces electricity for the surrounding community. The installation is located in Dunklin County in the southeast corner of the state. The installation generates electricity through 5 dual fired (natural gas and diesel) generators and 3 diesel generators. There are three 12,000 gallon capacity petroleum storage tanks and one 20,000 gallon capacity petroleum storage tank that provide distillate fuel #2 to the diesel generators.

The reported actual emissions for the past five years for the installation are listed below:

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO _x)	Nitrogen Oxides (NO _x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAPs)
1999	0.75	0.72	12.30	0.64	2.53	--	--
2000	0.15	0.14	2.32	0.14	0.50	--	--
2001	0.33	0.31	4.86	0.26	1.03	--	--
2002	0.27	0.25	4.01	0.22	0.85	--	--
2003	0.30	0.28	4.49	0.24	0.95	--	--

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emit air pollutants and which are identified as having unit-specific emission limitations.

Emission Unit #	Description of Emission Unit
EU0010	1.4 MW Diesel/Natural Gas Generator; Installed in 1951
EU0020	1.8 MW Diesel only Generator; Installed in 1995
EU0030	1.8 MW Diesel only Generator; Installed in 1995
EU0040	1.8 MW Diesel only Generator; Installed in 1995
EU0050	1.3 MW Diesel/Natural Gas Generator; Installed in 1956
EU0060	2.0 MW Diesel/Natural Gas Generator; Installed in 1963
EU0070	2.9 MW Diesel/Natural Gas Generator; Installed in 1972
EU0080	4.2 MW Diesel/Natural Gas Generator; Installed in 1973

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Description of Emission Source

EU0090	12,000 Gallon #2 Fuel Oil Storage Tank, Installed in 1953
EU0100	20,000 Gallon #2 Fuel Oil Storage Tank, Installed in 1953
EU0110	12,000 Gallon #2 Fuel Oil Storage Tank, Installed in 1953
EU0120	12,000 Gallon #2 Fuel Oil Storage Tank, Installed in 1994
EU0130	300,000 BTU/hr Natural Gas Space Heater (Reznor/F-300), 1991
EU0140	300,000 BTU/hr Natural Gas Space Heater (Carrier/46BA300), 1967

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Permit To Construct, Permit Number 0796-007

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

Permit Condition PW001

10 CSR 10-6.170

Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

Emission Limitation:

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line or origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director;
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary.

Monitoring:

1. The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. If a violation of this regulation is discovered, the source shall undertake corrective action to eliminate the violation.
2. The following monitoring schedule must be maintained:
 - a) Observations shall be conducted when the permittee undertakes any activity which results in fugitive particulate matter emissions that have the potential to go beyond the property line of origin.
 - b) Otherwise observations must be made semi-annually. (i.e., once per reporting period). Observation shall be conducted during the January-June reporting period and during the July-December reporting period.

Recordkeeping:

A log must be maintained noting the following:

- 1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
 - 2) Whether the visible emissions were normal for the installation.
 - 3) Equipment malfunctions that causes an exceedance of 10 CSR 10-6.170.
 - 4) Any violations of 10 CSR 10-6.170 and any corrective actions undertaken to correct the violation.
- Attachment A contains a log including these record keeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)©1.C.(III).

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

EU0010 Diesel/Natural Gas Generator	
General Description:	1.4 MW Diesel/Natural Gas Generator Installed in 1951
Manufacturer/Model #:	Fair/Morse 33FD16
EQ Reference # (2003):	EP-1A #1 and EP-1B)

Permit Condition EU0010-001
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation:

1. Emissions from the operation of this generator shall not contain more than 2000 parts per million by volume (ppmv) of sulfur dioxide or more than 70 milligrams per cubic meter (mg/m^3) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3) hour time period.
2. No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. [10 CSR 10-6.260(4) of August 30, 1996 version, 10 CSR 10-6.260(3)(B) of May 30, 2004 version & 10 CSR 10-6.010 Ambient Air Quality Standards]¹

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning the following fuels:

1. Fuel oil with a sulfur content of no more than 0.5 percent by weight sulfur. The fuel oils known to be less than 0.5% by weight sulfur per Chapter 414 RSMo, section 414.032, ASTM D396 - Table 1 and ASTM D975 - Table 1, are fuel oil No. 1 and No. 2 and diesel fuel oil Grade Low Sulfur No. 1-D, Grade Low Sulfur No. 2-D.
2. Pipeline grade natural gas.

Monitoring/Recordkeeping:

The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)©1.C.(III).

¹ 10 CSR 10-6.260(4) of August 30, 1996 version and 10 CSR 10-6.260(3)(B) of May 30, 2004 version is state-only requirement.

**EU0020 through EU0040
Three Diesel Generators**

EU ID	EQ Reference # (Year)	General Description	Manufacturer/ Model #
EU0020	EP-1A #2 (2003)	1.8 MW Diesel only Generator Installed in 1995	Caterpillar 3516
EU0030	EP-1A #3 (2003)	1.8 MW Diesel only Generator Installed in 1995	Caterpillar 3516
EU0040	EP-1A #4 (2003)	1.8 MW Diesel only Generator Installed in 1995	Caterpillar 3516

Permit Condition EU0020-001 through EU0040-001

10 CSR 10-6.260

Restriction of Emission of Sulfur Compounds

Emission Limitation:

1. Emissions from the operation of these generators shall not contain more than 500 parts per million (ppmv) sulfur dioxide or more than 35 milligrams per cubic meter (mg/m³) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3) hour time period.
2. No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. [10 CSR 10-6.260(4) of August 30, 1996 version, 10 CSR 10-6.260(3)(B) of May 30, 2004 version & 10 CSR 10-6.010 Ambient Air Quality Standards]²

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning fuel oil with a sulfur content of no more than 0.5 percent by weight sulfur. The fuel oils known to be less than 0.5% by weight sulfur per Chapter 414 RSMo, section 414.032, ASTM D396 - Table 1 and ASTM D975 - Table 1, are fuel oil No. 1 and No. 2 and diesel fuel oil Grade Low Sulfur No. 1-D, Grade Low Sulfur No. 2-D.

Monitoring/Recordkeeping:

The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)©1.C.(III).

Permit Condition EU0020-002 through EU0040-002

10 CSR 10-6.060

Construction Permits Required

Permit to Construct, Permit No. 0796-007

Emission Limitation:

The three 1825 kW diesel generators (EU0020, EU0030 and EU0040) shall emit no more than 40 tons of NO_x in any consecutive 12-month period.

² 10 CSR 10-6.260(4) of August 30, 1996 version and 10 CSR 10-6.260(3)(B) of May 30, 2004 version is state-only requirement.

Monitoring:

The permittee shall monitor hours of operation using the switchboard hourly meter

Recordkeeping:

Malden Municipal Power & Light shall record the monthly and the sum of most recent 12-months of NOX emissions (in tons) from these emission units using the Table in Attachment B. These records shall be kept on-site, and shall cover, at a minimum, the previous 60 month period. These records shall be made immediately available for inspection to the Department of Natural Resources' personnel upon request.

Reporting:

The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month if the 12 month cumulative total show that the Source exceeded the limitations.

EU0050 through EU0060
Two Diesel/Natural Gas Generators

EU ID	EIQ Reference # (Year)	General Description	Manufacturer/ Model #
EU0050	EP-1A #5 and EP-1B #5 (2003)	1.3 MW Diesel/Natural Gas Generator Installed in 1956	Fair/Morse 38DD1/8
EU0060	EP-1A #6 and EP-1B #6 (2003)	2.0 MW Diesel/Natural Gas Generator Installed in 1963	Fair/Morse 38TDD1/8

Permit Condition EU0050-001 through EU0060-001

10 CSR 10-6.260

Restriction of Emission of Sulfur Compounds

Emission Limitation:

1. Emissions from the operation of these generators shall not contain more than 2000 parts per million by volume (ppmv) of sulfur dioxide or more than 70 milligrams per cubic meter (mg/m³) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3) hour time period.
2. No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. [10 CSR 10-6.260(4) of August 30, 1996 version, 10 CSR 10-6.260(3)(B) of May 30, 2004 version & 10 CSR 10-6.010 Ambient Air Quality Standards]³

Operational Limitation/Equipment Specifications:

The emission units shall be limited to burning the following fuels:

1. Fuel oil with a sulfur content of no more than 0.5 percent by weight sulfur. The fuel oils known to be less than 0.5% by weight sulfur per Chapter 414 RSMo, section 414.032, ASTM D396 - Table 1 and ASTM D975 - Table 1, are fuel oil No. 1 and No. 2 and diesel fuel oil Grade Low Sulfur No. 1-D, Grade Low Sulfur No. 2-D.
2. Pipeline grade natural gas.

Monitoring/Recordkeeping:

The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)©1.C.(III).

³ 10 CSR 10-6.260(4) of August 30, 1996 version and 10 CSR 10-6.260(3)(B) of May 30, 2004 version is state-only requirement.

EU0070 through EU0080
Two Diesel/Natural Gas Generators

EU ID	EIQ Reference # (Year)	General Description	Manufacturer/ Model #
EU0070	EP-1A #7 and EP-1B #7 (2003)	2.9 MW Diesel/Natural Gas Generator Installed in 1972	Fair/Morse 38DD81/8
EU0080	EP-1A #8 and EP-1B #8 (2003)	4.2 MW Diesel/Natural Gas Generator Installed in 1973	Colt/Piel 12PC2-DF

Permit Condition EU0070-001 through EU0080-001

10 CSR 10-6.260

Restriction of Emission of Sulfur Compounds

Emission Limitation:

1. Emissions from the operation of these generators shall not contain more than 2000 parts per million by volume (ppmv) of sulfur dioxide or more than 70 milligrams per cubic meter (mg/m³) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3) hour time period.
2. No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. [10 CSR 10-6.260(4) of August 30, 1996 version, 10 CSR 10-6.260(3)(B) of May 30, 2004 version & 10 CSR 10-6.010 Ambient Air Quality Standards]⁴

Operational Limitation/Equipment Specifications:

The emission units shall be limited to burning the following fuels:

1. Fuel oil with a sulfur content of no more than 0.5 percent by weight sulfur. The fuel oils known to be less than 0.5% by weight sulfur per Chapter 414 RSMo, section 414.032, ASTM D396 - Table 1 and ASTM D975 - Table 1, are fuel oil No. 1 and No. 2 and diesel fuel oil Grade Low Sulfur No. 1-D, Grade Low Sulfur No. 2-D.
2. Pipeline grade natural gas.

Monitoring/Recordkeeping:

The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)©1.C.(III).

⁴ 10 CSR 10-6.260(4) of August 30, 1996 version and 10 CSR 10-6.260(3)(B) of May 30, 2004 version is state-only requirement.

IV. Core Permit Requirements

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

10 CSR 10-6.050, Start-up, Shutdown and Malfunction Conditions

1. In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days in writing the following information:
 - a) Name and location of installation;
 - b) Name and telephone number of person responsible for the installation;
 - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - d) Identity of the equipment causing the excess emissions;
 - e) Time and duration of the period of excess emissions;
 - f) Cause of the excess emissions;
 - g) Air pollutants involved;
 - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
 - i) Measures taken to mitigate the extent and duration of the excess emissions; and
 - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
2. The permittee shall submit the paragraph (a.) information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
3. Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph (a.) list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
4. Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
5. Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060, Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065, Operating Permits

The permittee shall file for renewal of this operating permit no sooner than eighteen months, nor later than six months, prior to the expiration date of this operating permit. The permittee shall retain the most current

operating permit issued to this installation on-site and shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request.

10 CSR 10-6.110, Submission of Emission Data, Emission Fees and Process Information

1. The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
2. The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079 to satisfy the requirements of the Federal Clean Air Act, Title V.
3. The fees shall be due April 1 each year for emissions produced during the previous calendar year. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the director.

10 CSR 10-6.130, Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150, Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.180, Measurement of Emissions of Air Contaminants

1. The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
2. The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
3. The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10- 3.030, Open Burning Restrictions

1. The permittee shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning.
2. Exception - Open burning of trade waste or vegetation may be permitted only when it can be shown that open burning is the only feasible method of disposal or an emergency exists which requires open burning.
3. Any person intending to engage in open burning shall file a request to do so with the director. The request shall include the following:
 - a) The name, address and telephone number of the person submitting the application; The type of business or activity involved; A description of the proposed equipment and operating practices, the type, quantity and composition of trade wastes and expected composition and amount of air contaminants to be released to the atmosphere where known;
 - b) The schedule of burning operations;
 - c) The exact location where open burning will be used to dispose of the trade wastes;
 - d) Reasons why no method other than open burning is feasible; and
 - e) Evidence that the proposed open burning has been approved by the fire control authority which has jurisdiction.
4. Upon approval of the open burning permit application by the director, the person may proceed with the operation under the terms of the open burning permit. Be aware that such approval shall not exempt Malden Municipal Power & Light from the provisions of any other law, ordinance or regulation.
5. The permittee shall maintain files with letters from the director approving the open burning operation and previous DNR inspection reports.

10 CSR 10-3.090, Restriction of Emission of Odors

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

This requirement is not federally enforceable.

10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants**40 CFR Part 61 Subpart M, National Emission Standard for Asbestos**

1. The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.
2. The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.250, Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees. Each individual who works in asbestos abatement projects must first obtain certification for the appropriate occupation from the department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the department. Certain business entities that meet the requirements for state-approved exemption status must allow the department to monitor training classes provided to employees who perform asbestos abatement.

Title VI – 40 CFR Part 82, Protection of Stratospheric Ozone

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
 - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. (“MVAC-like” appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term “motor vehicle” as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term “MVAC” as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82*

10 CSR 10-6.280, Compliance Monitoring Usage

1. The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.
2. Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
3. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

V. General Permit Requirements

Permit Duration

10 CSR 10-6.065(6)©1.B.

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

General Record Keeping and Reporting Requirements

10 CSR 10-6.065(6)©1.C

I) Record Keeping

- A) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
- B) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.

II) Reporting

- A) The permittee shall submit a report of all required monitoring by:
 - 1) October 1st for monitoring which covers the January through June time period, and
 - 2) April 1st for monitoring which covers the July through December time period.
 - 3) Exception: Monitoring requirements which require reporting more frequently than semi annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
- B) Each report must identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit, this includes deviations or Part 64 exceedances.
- C) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102.
- D) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - 1) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)©7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if you wish to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and that you can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
 - 2) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.
 - 3) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's semiannual report shall be reported on the schedule specified in the permit.
 - 4) These supplemental reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.

- E) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- F) The permittee may request confidential treatment of information submitted in any report of deviation.

Risk Management Plans Under Section 112®

10 CSR 10-6.065(6)©1.D.

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

Severability Clause

10 CSR 10-6.065(6)©1.F.

In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

General Requirements

10 CSR 10-6.065(6)©1.G

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, will not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted pursuant to 10 CSR 10-6.065(6)©1.

Incentive Programs Not Requiring Permit Revisions

10 CSR 10-6.065(6)©1.H.

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

Compliance Requirements

10 CSR 10-6.065(6)©3.

- I) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.

- II) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
- A) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - C) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - D) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- III) All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
- A) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - B) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- IV) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, as well as the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
- A) The identification of each term or condition of the permit that is the basis of the certification,
 - B) The current compliance status, as shown by monitoring data and other information reasonably available to the installation,
 - C) Whether compliance was continuous or intermittent,
 - D) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period, and
 - E) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

Permit Shield

10 CSR 10-6.065(6)©6.

- I) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:
- A) The applicable requirements are included and specifically identified in this permit; or
 - B) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.
- II) Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:
- A) The provisions of section 303 of the Act or section 643.090, RSMo concerning emergency orders,

- B) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,
- C) The applicable requirements of the acid rain program,
- D) The administrator's authority to obtain information, or
- E) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

Emergency Provisions

10 CSR 10-6.065(6)©7.

- I) An emergency or upset as defined in 10 CSR 10-6.065(6)©7. shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
 - A) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - B) That the installation was being operated properly,
 - C) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - D) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- II) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

Operational Flexibility

10 CSR 10-6.065(6)©8.

An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program and the Administrator at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that established an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

- I) Section 502(b)(10) changes. Changes that, under section 502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), record keeping, reporting or compliance requirements of the permit.
 - A) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program and to the Administrator, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and this agency shall place a copy with the permit in the public file. Written notice shall be provided to the administrator and this agency at least seven days before the change is to be made. If less than seven days notice is provided because of a need to respond more quickly to these unanticipated conditions, The permittee shall provide notice to the administrator and the permitting authority as soon as possible after learning of the need to make the change.

B) The permit shield shall not apply to these changes.

Off-Permit Changes

10 CSR 10-6.065(6)©9.

- I) Except as noted below, The permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:
- A) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; The permittee may not change a permitted installation without a permit revision, if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
 - B) The permittee must provide written notice of the change to the permitting authority and to the administrator no later than the next annual emissions report. This notice shall not be required for changes that are insignificant activities under paragraph (6)(B)3. of this rule. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.
 - C) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
 - D) The permit shield shall not apply to these changes.

Responsible Official

10 CSR 10-6.020(2)@12.

The application utilized in the preparation of this was signed by Ray Santie, Mayor, City of Malden. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

Reopening Permit For Cause

10 CSR 10-6.065(6)(E)6.

In accordance with 10 CSR 10-6.065(6)(E)6.A., this permit may be reopened with cause if:

- 1) The Missouri Department of Natural Resources (MDNR) receives notice from the Environmental Protection Agency (EPA) that a petition for disapproval of a permit pursuant to 40 CFR § 70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
- 2) MDNR or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 3) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 4) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit; or
- 5) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

Statement of Basis

10 CSR 10-6.065(6)(E)1.C.

This permit is accompanied by a statement setting forth the legal and factual basis for the draft permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

[illegible]

Attachment B

Monthly NO_x Emission Tracking Record

This record keeping sheet or an equivalent sheet may be used to meet the record keeping requirements for Permit Condition EU0020-002 through EU0040-002.

Date Month/Year	Column 1	Column 2*	Column 3**	Column 4***
	Hours of Operation (hr/month)	Hourly NO _x Emission Rate (lb/hr)	Monthly NO _x Emission Rate (tons/month)	Sum of the Most Recent 12-Months (tons)
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		
		178.22		

- Hourly emission rate for the three generators (EU0020, EU0030 and EU0040) operating at a maximum design rate.
 ** [Column 1] x [Column 2] x 0.0005
 *** Sum of the last 12 months of Column 3

A 12-Month NO_x emission total of less than 40 tons indicates compliance.

STATEMENT OF BASIS

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Part 70 Operating Permit Renewal Application, received September 24, 2004;
- 2) Initial Part 70 Operating Permit (OP2000-025) Issued on March 23, 2000;
- 3) 2003 Emissions Inventory Questionnaire, received March 25, 2004;
- 4) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

None

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100, Alternate Emission Limits

This regulation applies to installations that emit VOCs in the ozone nonattainment area of the state. This installation is currently located in ozone attainment area, therefore this regulation does not apply to this installation.

10 CSR 10-6.220, Restriction of Emission of Visible Air Contaminants

This rule does not apply to internal combustion engines operated outside the Kansas City or St. Louis metropolitan areas and stationary internal combustion engines operating in the Kansas City or St. Louis metropolitan areas. Therefore, this rule is not included in the operating permit.

10 CSR 10-6.070, New Source Performance Regulations

40 CFR Part 60 Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

The applicant indicated that EU00120 is subject to this subpart. EU00120 is a 12,000 gallon fuel oil storage tank constructed in 1994. The NSPS Subpart Kb only applies to storage tanks with capacities greater than 75 m³ (19,800 gallons) with vapor pressures greater than 15 kPa. EU00120 does not meet the applicability criteria of the above NSPS rule, therefore this rule is not included in the operating permit.

Construction Permit Revisions

None

NSPS Applicability

10 CSR 10-6.070, New Source Performance Regulations

40 CFR Part 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984.

40 CFR Part 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

40 CFR Part 60 Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

In addition to EU0120 the installation has 3 storage tanks (EU0090, EU0100, and EU0110) which are exempt from NSPS K, Ka and Kb because the construction date for each tank is 1953, which is before the applicability date of the three NSPS.

EU00120 (12,000 gallon tank) does not meet the applicability criteria of NSPS Kb, therefore the tank is not subject to Kb.

MACT Applicability

None.

NESHAP Applicability

The requirements of this rule have been summarized and listed in the Core Permit Requirements section of the operating permit.

CAM Applicability

40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*

The CAM rule applies to each pollutant specific emission unit that meets all of the following:

- Be subject to an emission limitation or standard, and
- Use a control device to achieve compliance, and
- Have pre-control emissions that exceed or are equivalent to the major source threshold.

40 CFR Part 64 is not applicable because none of the pollutant-specific emission units uses a control device to achieve compliance with a relevant standard.

Other Regulatory Determinations

The Acid Rain rules (40 CFR Part 72-75) applicability is shown in the following table. In general, all eight units qualify for exemptions from the Acid Rain rules since each is less than 25 MW. The five units constructed before 1990 are automatically exempt. The three units built after 1990 must apply for a New Unit Exemption.

Emission Unit #	Year	Size	Acid Rain Applicability Determination
EU0010	1951	1.4 MW	Exempt per 40 CFR 72.6(b)(2)
EU0020	1995	1.8 MW	Must apply for New Unit Exemption per 40 CFR 72.7
EU0030	1995	1.8 MW	Must apply for New Unit Exemption per 40 CFR 72.7
EU0040	1995	1.8 MW	Must apply for New Unit Exemption per 40 CFR 72.7
EU0050	1956	1.3 MW	Exempt per 40 CFR 72.6(b)(2)
EU0060	1963	2.0 MW	Exempt per 40 CFR 72.6(b)(2)
EU0070	1972	2.9 MW	Exempt per 40 CFR 72.6(b)(2)
EU0080	1973	4.2 MW	Exempt per 40 CFR 72.6(b)(2)

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:

1. The specific pollutant regulated by that rule is not emitted by the installation;
2. The installation is not in the source category regulated by that rule;
3. The installation is not in the county or specific area that is regulated under the authority of that rule;
4. The installation does not contain the type of emission unit which is regulated by that rule;
5. The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the APCP's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s).

Prepared by:

Berhanu A. Getahun
Environmental Engineer

Mr. Ray Santie, Mayor, City of Malden
Malden Municipal Power & Light
405 South Beckwith
Malden, MO 63863

Re: Malden Municipal Power & Light, 069-0034
Permit Number:

Dear Mr. Santie:

Enclosed with this letter is your Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program (APCP) at (573) 751-4817, or you may write to the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS/bgb

Enclosure(s)

c: Ms. Harriett Jones, U.S. EPA Region VII
Southeast Regional Office
PAMS File: 2004-09-071

Gary Youngquist
Malden Municipal Power & Light
405 South Beckwith
Malden, MO 63863

CERTIFIED MAIL: 7001 2510 0005 7346 7532
RETURN RECEIPT REQUESTED

Re: Draft Part 70 Operating Permit – Project Number: PAMS Number: 2004-09-071

Dear Youngquist:

The Air Pollution Control Program (APCP) has completed the preliminary review of your Part 70 (Title V) permit application. A public notice will be placed in the Daily Dunklin Democrat on Wednesday February 16, 2005.

The APCP will accept comments regarding the draft permit that are postmarked on or before the closing date. It is very important that you read and understand this legal document. You will be held responsible for complying with this document.

Please address comments or recommendations for changes to my attention at:

Operating Permits Unit
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102

A copy of this draft has also been sent to the U.S. EPA's Region VII office in Kansas City for their review. The Region VII office is afforded, by law, oversight authority on any Title V permit which Missouri (or any of the other states in the region) may propose to issue. A public hearing may be held if interest is expressed by the public.

Should you have any questions, or wish clarification on any items in this draft permit, please feel free to contact me at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Berhanu A. Getahun
Environmental Engineer

BAG:be

Enclosure(s)

c: Ms. Harriett Jones, U.S. EPA Region VII
Southeast Regional Office
Ozark Chapter – Sierra Club
PAMS File: 2004-09-071

Mr. David Kolaz, Bureau Chief
Illinois Environmental Protection Agency
Division of Air Pollution Control
P.O. Box 19276
Springfield, IL 63794-9276

RE: Affected States Review – Notification of Proposed Final Part 70 Operating Permit

Dear Mr. Kolaz:

In accordance with Missouri State Rule 10 CSR 10-6.065(6)(F)1. and the Clean Air Act this letter is to notify you of public notice of the preliminary draft and request for comments for: Malden Municipal Power & Light located in Malden, MO

Project Number - 2004-09-071

Public notice will be published in the Dunklin County Democrat in Kennett, MO, on Wednesday February 16, 2005.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing by no later than March 16h, 2005 to my attention at Missouri Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Should you require further information or documentation on this matter, please contact the Operating Permits Unit at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS:bge

Mr. Allen Elliot
Kentucky Dept. of Environmental Protection
Division of Air Quality
803 Schenkel Lane
Frankfort, KY 40601

RE: Affected States Review – Notification of Proposed Final Part 70 Operating Permit

Dear Mr. Elliot:

In accordance with Missouri State Rule 10 CSR 10-6.065(6)(F)1. and the Clean Air Act this letter is to notify you of public notice of the preliminary draft and request for comments for: Malden Municipal Power & Light located in Malden, MO

Project Number - 2004-09-071

Public notice will be published in the Dunklin County Democrat in Kennett, MO, on Wednesday February 16, 2005.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing by no later than March 16h, 2005 to my attention at Missouri Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Should you require further information or documentation on this matter, please contact the Operating Permits Unit at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS:bge

Mr. John W. Walton, Director
Tennessee Depart. Of Environment & Conservation
Division of Air Pollution Control
401 Church Street, 9th floor
L & C Annex
Nashville, TN 37243-1531

RE: Affected States Review – Notification of Proposed Final Part 70 Operating Permit

Dear Mr. Walton:

In accordance with Missouri State Rule 10 CSR 10-6.065(6)(F)1. and the Clean Air Act this letter is to notify you of public notice of the preliminary draft and request for comments for: Malden Municipal Power & Light located in Malden, MO

Project Number - 2004-09-071

Public notice will be published in the Dunklin County Democrat in Kennett, MO, on Wednesday February 16, 2005.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing by no later than March 16h, 2005 to my attention at Missouri Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Should you require further information or documentation on this matter, please contact the Operating Permits Unit at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS:bge

Mr. Keith Littles, Chief
Arkansas Depart. Of Pollution Control & Ecology
Division of Air Pollution Control
8001 National Drive
P.O. Box 8913
Little Rock, AR 72219-8913

RE: Affected States Review – Notification of Proposed Final Part 70 Operating Permit

Dear Mr. Elliot:

In accordance with Missouri State Rule 10 CSR 10-6.065(6)(F)1. and the Clean Air Act this letter is to notify you of public notice of the preliminary draft and request for comments for:

Malden Municipal Power & Light located in Malden, MO

Project Number - 2004-09-071

Public notice will be published in the Dunklin County Democrat in Kennett, MO, on Wednesday February 16, 2005.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing by no later than March 16h, 2005 to my attention at Missouri Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Should you require further information or documentation on this matter, please contact the Operating Permits Unit at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS:bge

For Publication on: Wednesday, February 16th, 2005
Notice of documents available for public viewing
Department of Natural Resources
Air and Land Protection Division
Air Pollution Control Program

A draft-operating permit has been issued for the following air pollution sources:

Installation	City	Project #
Malden Municipal Power & Light	Malden	2004-09-071

Activities included in these permits are all activities involved in the operation of these sources with the potential for producing regulated quantities of regulated air pollutants. Copies of the draft permits are available for public comment. Public files containing copies of all non-confidential materials and a copy or summary of other materials, if any, considered in this draft permit, are available for public viewing at the following locations: MO Dept. of Natural Resources' Southeast Regional Office, 2155 N. Westwood Blvd., Poplar Bluff, MO 63901, or by written request from the Air Pollution Control Program' Operating Permits Unit, P.O. Box 176, Jefferson City, MO 65102. (Any information deemed confidential business information pursuant to Missouri State Rule 10 CSR 10-6.210, *Confidential Information*, if any exists, are not included in the public files. Emission data, as defined by this rule, cannot be considered confidential business information).

The file is available for viewing through March 16th, 2005. Citizens are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing no later than March 16th, 2005. Written comments and/or requests for public hearing should be sent to Ms. Leanne Tippet Mosby, Missouri Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

The Air Pollution Control Program will hold an informal public hearing after an additional 30 day comment period on the draft permit if: 1.) A timely request is made for such a hearing during the public comment period; and 2.) The person requesting the hearing identifies material issues concerning the preliminary determination and the Air Pollution Control Program determines that a public hearing will be useful in resolving those issues.

This public notice is made pursuant to Missouri State Rule 10 CSR 10-6.065, Operating Permits.

Daily Dunklin Democrat

203 First Street
Kennett, MO 63857

Attention: Legal Ads

Dear Debbie Wright:

We wish to place the attached legal advertisement in your newspaper to be run ONCE. It must run on Wednesday, February 16th, 2005.

We require a certified affidavit of publication. This must be received by our office by March 2nd, 2005. Please submit the affidavit and invoice for payment to:

Attention: Cheri Bechtel

Department of Natural Resources

Air Pollution Control Program

P. O. Box 176

Jefferson City, MO 65102

If you have any questions, please contact me at (573) 751-4817. Thank you for your assistance.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS:bgb

c: Cheri Bechtel, Procurement Clerk
PAMS File: 2004-09-071

MISSOURI DEPARTMENT OF NATURAL RESOURCES FOLDER TRANSMITTAL ROUTING SHEET		Document #: Division Log #: Program Log #:
DEADLINE: Date		Penalty for Missing Deadline: None
Malden Municipal Power & Light		PROJECT NUMBER: 2004-09-071
Originator: Berhanu Getahun		Telephone: (314) 416-2960
		Date:
Typist: Brenda E.		File Name:
FOR SIGNATURE APPROVAL OF:		
<input type="checkbox"/> DNR Director <input type="checkbox"/> DNR Deputy Director <input type="checkbox"/> Division Director <input type="checkbox"/> Division Deputy Director X Other: Leanne Tippet Mosby		
PROGRAM APPROVAL: Approved by: _____		
Program: ACPD Date: _____		
Other Program Approval (Section/Unit): _____		
Date: _____		
Comments:		
ROUTE TO:		
<input type="checkbox"/> DIVISION DIRECTOR APPROVAL:		Date: _____
Comments:		
<input type="checkbox"/> FINANCIAL REVIEW – DIVISION OF ADIMINSTRATIVE SUPPORT:		
DAS Director: _____		Date: _____
<input type="checkbox"/> Fee Worksheet Received By: _____		Date: _____
Accounting: _____		Date: _____
Budget: _____		Date: _____
General Services: _____		Date: _____
Internal Audit: _____		Date: _____
Purchasing: _____		Date: _____
Comments:		
<input type="checkbox"/> LEGAL REVIEW:		
<input type="checkbox"/> General Counsel: _____		Date: _____
<input type="checkbox"/> AGO: _____		Date: _____
Comments:		
<input type="checkbox"/> DEPARTMENT DIRECTOR APPROVAL:		Date: _____
Comments:		
<input type="checkbox"/> NOTARIZATION NEEDED		
		INITIALS/DATE

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT BOOK



PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the facility described below, in accordance with the laws, rules, and conditions as set forth herein.

Permit Number: 0796-007

Facility I.D. Number: 1440-0034-005

Owner: Malden Municipal Power & Light

Owner's Address: 111 East Laclede, Malden, MO 63863-2296

Facility Name: Malden Municipal Power & Light

Facility Address: 405 South Beckwith, Malden, MO 63863-2296

Legal Description: Dunklin County, S15, T22N, R10E

Application for Authority to Construct was made for:

Replacement of three diesel generating units with three modern diesel units burning low sulfur fuel. These air contaminant sources were constructed prior to receipt of a permit from the Missouri Department of Natural Resources. Obtaining a permit is part of a remedial action required by the Air Pollution Control Program. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, "Construction Permits Required."

☐ Special Conditions are not applicable to this permit.

☒ Special Conditions do apply to this permit and are listed as attachments starting on page 2.

July 5, 1996
EFFECTIVE DATE

ROGER D. RANDOLPH for
DIRECTOR
DIVISION OF ENVIRONMENTAL QUALITY
JOHN YOUNG

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

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July 5, 1996
EFFECTIVE DATE

ROGER A. RANSLOW for
DIRECTOR
DIVISION OF ENVIRONMENTAL QUALITY
JOHN YOUNG

PAGE	OF
PERMIT NUMBER	0796- 007
FACILITY I D NUMBER	1440-0034-005

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

1. This Source shall emit no more than 40 tons of NO_x from this construction in any consecutive 12-month period.
2. Malden Municipal Power & Light shall record the monthly and the sum of most recent 12-months of NO_x emissions (in tons) from this facility using the Table, "*Monthly NO_x Emissions Tracking Record*." These records shall be kept on-site, and shall cover, at a minimum, the previous 60-month period. These records shall be made immediately available for inspection to the Department of Natural Resources' personnel upon request.
3. The Source shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of the month if the 12-month cumulative total in Condition Number 2 shows that the Source exceeded the limitations of Condition Number 1.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW
Project/Facility No: 1440-0034-005
Permit No: 0796-007

Malden Municipal Power & Light
405 South Beckwith
Malden, MO 63863-2296

Complete: March 16, 1996
Reviewed: May 28, 1996

Parent Company:
Malden Municipal Power & Light
111 East Laclede
Malden, MO 63863-2296

Dunklin County, S15, T22N, R10E

REVIEW SUMMARY

- Malden Municipal Power & Light is making application to install three 1825 KW diesel generators in an existing municipal generating plant.
- Hazardous air pollutants are not expected to be emitted as a result of the use of this construction.
- New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAPS) are not applicable to this construction.
- This is a de minimis source and is reviewed in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, "Construction Permits Required."
- No appreciable adverse impact on the local ambient air quality is expected.
- I recommend this permit be granted with conditions.

PROJECT DESCRIPTION

Malden Municipal Power & Light is applying for authority to install three 1825 KVV diesel generators in an existing municipal generating plant. These units are designed to replace three obsolete units installed in the early 1950s. This is not a "one for one" replacement as the new units are larger than the old units. The generating station provides "standby power" only in the event of an outage to the City of Malden by the utility under contract with the City of Malden. The existing plant was grandfathered and therefore holds no permits.

EMISSIONS/CONTROLS EVALUATION

The pollutants of concern are those pollutants emitted as a result of the combustion of diesel fuel. These pollutants are: TSP, PM₁₀, SO₂, NO_x, VOC and CO.

Emission factors used in this review were obtained from the U.S. Environmental Protection Agency (EPA) document 450/4-90-003, "AIRS Facility Subsystem Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants" (SCC).

The conditioned potential emissions are based on 448 hours per year at full operation. This condition is required to remain below the de minimis levels for NO_x.

Conditioned Potential Emissions (tons per year)	
TSP	2.86
PM ₁₀	2.73
SO _x	2.66
NO _x	39.93
VOC	2.74
C O	8.69

Unconditioned Potential Emissions (tons per year)	
TSP	55.76
PM ₁₀	53.27
SO _x	51.93
NO _x	780.61
VOC	53.43
C O	169.77

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, "Construction Permits Required." This section requires this facility to make application for and receive a de minimis permit to construct an air contaminant source.

APPLICABLE REQUIREMENTS

- I. Malden Municipal Power & Light of Malden, Missouri
 - A. General
 1. *Submission of Emission Data, Emission Fees and Process Information*, IO CSR 10-6.110
 - a. Emission Limitation: \$27.50 per ton of pollutant
 - b. Recordkeeping Requirement: Emission Inventory Questionnaire (EIQ)
 - c. Monitoring Requirement: None
 - d. Reporting Requirement: April 1 for previous year's emissions (EIQ)

- a. Emission Limitation: None
 - b. Recordkeeping Requirement: None
 - c. Monitoring Requirement: None
 - d. Reporting Requirement: Submission of Future Operating Permit Application
 - B. Visible Emissions
 - 1. *Restriction of Emission of Visible Air Contaminants, 10 CSR 10-3.080*
 - a. Emission Limitation: No.1 on Ringlemann Chart
 - b. Recordkeeping Requirement: None
 - c. Monitoring Requirement: None
 - d. Reporting Requirement: None
- II. Emission Point Level - EP4 - Three Exhaust Stacks
- A. Particulate Matter
 - 1. *Maximum Allowable Emissions of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating, 10 CSR 10-3.060*
 - a. Emission Limitation: 0.45 lb/MMbtu
(actual emission rate: 0.24 lb/MMbtu)
 - b. Recordkeeping Requirement: None
 - c. Monitoring Requirement: None
 - d. Reporting Requirement: None
 - B. NO_x
 - 1. Construction Permits Required, 10 CSR 10-6.060
 - a. Emission Limitation: This Source shall emit no more than 40 tons of NO_x from this construction in any consecutive 12-month period.
 - b. Recordkeeping Requirement:
 - (1) Monthly and the sum of the most recent 12-months of NO_x emissions (in tons).
 - (2) Records shall be kept on-site for the most recent five-year of operation, and shall be made immediately available to the Department of Natural Resources' personnel upon request.
 - c. Monitoring Requirement: None
 - d. Reporting Requirement: Report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of the month if the 12-month cumulative total records show that the source exceeded the emission limitation of NO_x, during any consecutive 12-month period.

AMBIENT AIR QUALITY IMPACT ANALYSIS

The location of this facility in Dunklin County is an attainment area for all criteria pollutants. Since there are no hazardous air pollutants (HAPs) emitted, no appreciable adverse impact on the local air quality is expected.

Foth & Van Dyke
Memorandum

May 28, 1996

TO: Randy Raymond, MDNR

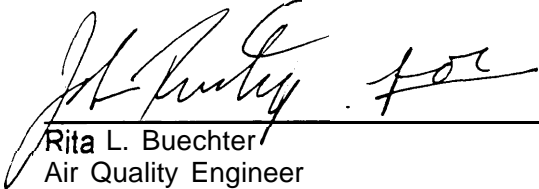
CC: Christa D. Andrew, Foth & Van Dyke
Jeffery O. Severseike, Foth & Van Dyke

FR: Rita L. Buechter

RE: Foth & Van Dyke Recommendation • Malden Municipal Power & Light, Dunklin County

On the basis of this review conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, "Construction Permits Required," I recommend this permit be granted with conditions to Malden Municipal Power & Light in Malden, Missouri for the construction of three diesel generators at their existing municipal generating plant.

Foth & Van Dyke


Rita L. Buechter
Air Quality Engineer


Date